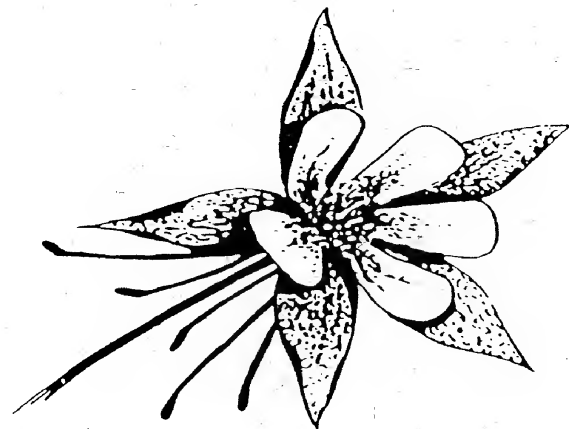


# Aquilegia



Newsletter of the Colorado Native Plant Society

"... dedicated to the appreciation and conservation of the Colorado native flora"

Volume 26 Number 1

January - February 2002

## THE YEAR IN REVIEW

Compiled and edited by Alice Guthrie, CoNPS Secretary

### News from Chapters

Twenty-five years! And what better way to advance our mission during our twenty-fifth year than to continue doing what we do best. From the successful Annual Meeting through the well-attended workshops and field trips to the numerous Chapter activities, the Society again provided a diversity of activities for members, coupled with an increasing advocacy for Colorado native plant species. It is truly humbling to see the energy, enthusiasm, and activity of our Society and chapter officers; committee chairs and members; workshop and field trip leaders and coordinators; speakers; and numerous volunteers, who work in a variety of capacities. While reading this review summarizing the activities marking our anniversary year, consider volunteering in some capacity, contributing to one of our endowments, or giving a gift of membership in the Society.

### Annual Meeting 2001

CoNPS celebrated its 25<sup>th</sup> Anniversary at the Annual Meeting on September 29, 2001 with a program entitled "Conserving Colorado's Flora: A 25-Year Retrospective," hosted by the Fort Collins Chapter, the first Society chapter. Dr. William Weber received an official CoNPS field vest in honor of his lifetime dedication to Colorado's Flora. A poster contest was held to commemorate the anniversary with the winning artists being Bonnie K. Anthony (sand cherry, *Prunus besseyi*), Jan Baucum (white evening primrose, *Oenothera caespitosa*), and Connie Sayas (Wright's verbena, *Verbena wrightii*). Dr. Sue Martin led the program with an informative and humorous review of CoNPS activities entitled "The Colorado Native Plant Society: What A First Twenty-five Years!" Other speakers included Carol Brandt, Renée Rondeau, Dr. Dieter Wilken, and Larry Schlichenmayer. Chris Pague, past president of the Society, concluded with thoughts on the future of native plant conservation from a landscape approach. Twenty members attended and contributed to over \$6,000 in book and merchandise sales. Thanks to Fort Collins Chapter members, the Annual Meeting Committee, our esteemed speakers, the book sales crew, and moderator Alice Guthrie.

The **Boulder Chapter** began the year with Carolyn Crawford's botanical photo tour of several eastern Colorado counties; Dick Yeatts covered Fibonacci Numbers in Nature; and Lani Lamming (Ewe-4-ic Weed Control Service) discussed weed control with goats. Jim Borland reviewed Native Plant Gardening and Propagation and members staffed CoNPS booths at Earth Day celebrations in Louisville and Boulder held in the spring. Ann Ruggles and Lynn Reidel led a spring hike in the South Boulder Creek State Natural Area. Fall presentations included a photo tour of Big Bend National Park by Carolyn Crawford and Bill Jennings, a discussion of the management challenges at Dinosaur National Monument by Tamara Naumann, and an inspiring presentation on the Sandhills of Nebraska by local naturalist and author Stephen Jones. Field trips included a weed pull around Harper Lake in Louisville and a trip led by Claire DeLeo to view the results of post-fire revegetation efforts at Walker Ranch (Boulder County Open Space). Chapter members participated in a service project on the National Oceanic and Atmospheric Administration (NOAA) campus along with several other groups. Clumps of big bluestem salvaged from the construction site of the David Skaggs Building were transplanted into a landscaped area honoring the natural heritage of the site. The Chapter thanks Caryl Shields for two years of service as President and Carolyn Crawford for organizing a fabulous slate of presentations. Kathy Damas assumed the office of President in August.

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The **Denver Chapter** had a wonderful year with many interesting lectures, a successful weed-pull, and increased member participation. In the spring, Dr. Neil Snow provided a broad overview of the Australian flora, emphasizing Queensland; Dr. Carol Dawson presented addressed the ecology and reproduction of the federally endangered milkvetch, *Astragalus osterhoutii*; Jody Nelson discussed the incredible biodiversity found at Rocky Flats; and Dr. Lois Brink described the collaborative effort to re-create a prairie garden at Bromwell Elementary Garden. In early summer, mem-

*Rydbergia grandiflora*  
Artist: Barbara Bash



bers pulled weeds in a small remnant of native grasslands along Cherry Creek. In the fall, Andy Cole talked about using fire to control weeds at Roxborough State Park, Dr. Vickey Trammel discussed real life detective stories from her work as a forensic botanist, and Dr. Shanna Carney reviewed her research on hybridization of *Oxytropis sericea* and

*O. lambertii*. If you are not already on our e-mail list, please contact Leo P. Bruederle at lbruederle@earthlink.net.

The **Fort Collins Chapter** had six meetings and several field conservation activities in 2001. Annette Miller succeeded Don Hazlett as Chapter President. Speakers were Susan Mead on herbal medicine, Dr. Walt Fertig of Wyoming on the status of *Gaura neomexicana* ssp. *coloradensis* (Colorado butterfly plant), and Dr. Gil Fechner (CSU, Professor Emeritus) on the trees of Colorado. In the fall, Dave Anderson talked about rare plants of El Paso County, while David Weber discussed purple loosestrife. Chapter members searched for, relocated, and recorded plants of several rare species in Larimer County, including: *Aletes humilis*, *Aquilegia saximontana*, *Isoetes setacea* ssp. *muricata*, several *Botrychium* species, and *Dryopteris expansa*. More rare plant hunting is planned for 2002, as well as two field trips on private land, the purpose of which is to prepare plant lists.

**Plateau Chapter** members enjoyed a diversity of courses and workshops in 2001. Drawing the most interest from members and non-members alike was a xeriscaping and native gardening workshop held in conjunction with the Montrose Botanical Society. Also well attended were workshops on area plant families presented by Robin Bingham, a beginning grass identification course by David Buckner, a workshop on area thistles led by Gay Austin and Peggy Lyon, and a noxious weed workshop given by Jude Sirota. Summer field trips began with Jeanne Wenger leading an outing on Pinyon Mesa, which contains a population of *Artemisia cana*. On the hike, participants reviewed plant family characteristics from an earlier workshop and identified *Erythrocoma triflora*, *Corallorhiza* spp., *Goodyera oblongifolia*, and *Penstemon uta-hensis*. Other field trips included a willow hike led by Floyd Reed

and a field trip on Grand Mesa led by Bob Clarke to conduct an inventory of a fen where Don Sullivan has been conducting his core sampling — they reported finding many *Carex* species! Vinnie Rossignol led the Crested Butte High Altitude Field Studies trek, where we found *Astragalus molybdenus* and *Eriogonum coloradense* along with stunning wildflower displays. At our meeting in November at which Jeanne happily agreed to stay on as Chapter President, we outlined an interesting schedule of events for 2002. Gretchen Van Reyper is organizing an e-mail list to notify members of upcoming events. To be included on this list, contact Gretchen at gretchv@juno.com; and contact Jeanne Wenger or Lori Brummer with field trip or workshop ideas.

The newly formed **Southeast Chapter** took a few first steps this year. We had an informal meeting in May, where we discussed the future of the Chapter and then hiked through the open spaces of Sonderman park, and enjoyed the wildflowers. The first chapter meeting was held in August, at which Rosemary Landon presented a slideshow on Colorado Springs area wildflowers. In September, George Cameron gave a well-attended program on how to use a key. Judy von Ahlefeldt hosted the November meeting, an "Eat Your Favorite Flora" potluck, where members enjoyed camaraderie, good food, and a lively discussion of the plant families that made up our meal.

### Society Committees

The **Education Committee** placed the CoNPS display at five events in 2001: the ProGreen Show in Denver in January, the Colorado Home and Garden Show, Earth Day Fairs in Boulder and Louisville, and the Greeley Home and Garden Show. Over 400 contacts were made, resulting in several new memberships. The display won an award at the Colorado Home and Garden show. One outcome from the ProGreen Show was a presentation to the Southeast Colorado Chapter of the Society for Landscape Architects in July. A packet of native seeds will be available in January 2002 as a promotional give-away for outreach events. The packet contains seeds representing eight species suitable for the plains and foothills area of the Front Range.

CoNPS offered 13 **Field Trips** in 2001. These varied in length from half-day wildflower hikes to three day backpacking trips. Trip locales were geographically diverse, ranging across the state, from 4000 feet to over 13,500 feet elevation and even to the Chuska Mountains in the Four Corners area. Some trips were educational and enjoyment oriented, while others put participants to work pulling weeds and hunting for new or long-lost populations of rare plants. Trip highlights included a spectacular wildflower display in North Pole Basin (Gunnison County) and unique short grass prairie blooms at Chico Basin (Pueblo County). On average, trips involved 12 members and guests as participants, ranging from three (due to inclement weather) to 21. In all, over 100 people walked, hiked, botanized, learned about their native flora, and had a good time.

The **Horticulture/Restoration Committee** continued to fill requests for Native Plants for Horticultural Use on the Front Range of Colorado. Gay Austin is developing a similar list for the Western Slope. In the coming year we anticipate updating the horticultural list of those plants to avoid using. The committee repre-

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**"The Year in Review" continued from page 2**

sented CoNPS at the Central Rockies Chapter of the Society for Ecological Restoration (CeRSEr) conference in April, which was entitled "Restoring the Rockies: Restoration and Conservation Strategies in the West." Numerous CoNPS members attended the conference and participated in the extremely successful sales of books and CoNPS merchandise.

The **25-Year Commemorative Poster Contest** was a success. Students from the Denver Botanical Gardens Botanical Illustration class submitted 17 drawings, of which three were chosen for the composite poster. The artists were awarded prizes at the Annual Meeting where their original art was displayed alongside the poster. One-quarter of the posters were sold during the meeting. Special orders are available on watercolor paper and in various sizes.

This was a record year for the **Sales Committee**, grossing over \$26,000, due to sales of \$6,000 at the Annual Meeting, new editions of *Colorado Flora* (Weber and Wittman, 2001), and strong sales at the CeRSEr conference. Velma Richards and Rick Brune are going out on a high note, to be succeeded in this capacity by Ann Armstrong, Sue Kamal, Laurel Potts, and Pat Murphy. Thanks for all of their hard work over the years.

The **East Slope Workshop Committee** completed its 17<sup>th</sup> season in April 2001, conducting 13 classroom sessions covering six topics with over 210 attendees. Most were from the Front Range urban corridor, but some came from Wyoming and Texas. The Grass Family workshop was the biggest hit of the year, with three sessions. Workshop leaders did a great job and we thank them for their hard work in preparation and instruction: Dr. Thomas Ranker, Caryl Shields, Mary Damm, Dina Clark, Carolyn Crawford, Bill Jennings, Dr. David Buckner, Susan Spackman, Bev Baker, Pat Butler, Dr. Ronald Hartman, and Dr. Joe Cepeda. Handouts for many workshops are available at a small charge (copying and mailing) by calling Workshop Committee Chair Bill Jennings at (303) 666-8348. The 2001-2002 season is also off to a good start with six topics scheduled. The Milkweed Family and Weeds of the Front Range workshops were held in November and December, 2001, respectively. Grasses and Willows, always high-demand topics, are now scheduled for three sessions each in January and February, 2002. *Senecio* and Vegetative Characters are scheduled for two sessions each in February and March. In addition, during the 2001 - 2002 season, workshops will be held not only at Foothills Nature Center in Boulder, but also at Jefferson County Open Space Operations Center in Golden and Lookout Mountain Nature Center west of Golden. Thanks to the enthusiastic support of our membership, workshop programs continue to be one of the Society's most popular activities.

The **Newsletter Committee** was very busy in 2001, thanks both to the increasing Society membership and the large number of submissions to *Aquilegia*. It has become clear that our newsletter is now seen as a valuable outlet for Society business, announcements, requests for volunteers, and dissemination of information that will reach a large number of readers, both locally, and regionally. Volume 25 comprised six issues for a total over 60 pages, thereby exceeding expectations of the Board. The Editor wishes to thank the Board, chapter presidents, committee chairs, and many contributing writers for their patience, support, and written contributions.

## PRIVATE CONTRIBUTIONS SUPPORT RESEARCH ON NATIVE PLANTS

On March 24, 1990, the Board of Directors of the Colorado Native Plant Society established the **John W. Marr Fund** for the awarding of small grants in support of research in plant biology. The Fund honors the late Dr. John Marr, Professor at the University of Colorado and the first President of the Colorado Native Plant Society. The Fund was established to encourage, through the provision of small grants-in-aid, research on the biology and natural history of Colorado native plants. On September 22, 2000, the Board of Directors similarly established the **Myrna P. Steinkamp Memorial Fund** to honor Dr. Myrna P. Steinkamp, who passed away earlier that year. Like the Marr Fund, this fund has been designated to support research on rare Colorado native plants, through the provision of small grants-in-aid. Myrna was a founding member of the Society, and served many years, both as Treasurer and Chair of the Membership Committee. She also served on the Conservation Committee, helping to establish the Society's role in Colorado plant conservation and public lands planning; and participated in the preparation of *Rare Plants of Colorado*. Contributions to both funds (specify John W. Marr Fund or Myrna P. Steinkamp Memorial Fund) may be made to:

Colorado Native Plant Society  
P. O. Box 200  
Fort Collins, CO 80522

## REQUEST FOR PROPOSALS

The Colorado Native Plant Society supports research projects in plant biology from the John W. Marr and Myrna P. Steinkamp funds. These separate funds honor the late Dr. John Marr, Professor at the University of Colorado and the first President of the CoNPS, and Myrna Steinkamp, a founding member of CoNPS who worked on behalf of the Society for many years in a variety of capacities. Both funds were established to support research on the biology and natural history of Colorado native plants by means of small grants. The Steinkamp Fund is targeted specifically towards rare species and those of conservation concern. Both field and laboratory studies are eligible for funding. Most awards will not exceed \$500. Recipients of the awards must agree to summarize their studies for publication in *Aquilegia*.

The Board of Directors is now soliciting proposals for a February 15, 2002 (postmarked) deadline. Information on guidelines and requirements for grant proposals may be obtained by contacting Board member Dr. Neil Snow at nsnow@bentley.unco.edu or (970) 351-2650.

## DEADLINE APPROACHES

### Submit *Aquilegia* Contributions by February 15

Submit contributions for Vol. 26 No. 2 of *Aquilegia* on or before February 15, 2002. Articles not exceeding 1000 words are especially welcome. Previously published articles submitted for reprinting require permission. Include author's name, address, and affiliation; anonymity may be requested. Follow the format from previous issues closely. Spell check. Submit via e-mail or on disks — MAC, preferably — as an MS Word or rtf (rich text format) document.



## THE HARRINGTON PROJECT

Patrick Murphy

The Colorado Native Plant Society is pleased to report that it has obtained the rights to publish and sell the *Manual of the Plants of Colorado* by H.D. Harrington. This article documents the process of obtaining these rights and adds some fuel to the flame of a worthy long-term goal. Or pipe dream?

Botany is easy for some, but hard for most. And nobody knows everything. We all need as much help as we can get, and we were at risk of losing the exceptionally complete descriptions of the species that Harrington provided. The *Manual* has been out of print since about 1978 and the publisher was not likely to republish it, as the original plates had, in fact, been lost. Although the Weber and Wittmann floras are terrific at getting you to a species quickly, the descriptions sometimes leave you uncertain about a possible wrong turn in the key. Although few of us are likely to carry the large *Manual* into the field, it is still nice to have it at the car, camp, or house for later reference. My goal was to make sure that the *Manual* remains available, especially to new students of Colorado botany.

The copyright procurement was not easy, but could not have happened easily without the internet. I searched the copyright office and found that the copyright, renewed in 1982, was held by Dorothy Laupa and Mary Kaiser. No address or phone number was available at the web site, and when I called the copyright office they said I would have to pay \$65 to get a complete report. I got the report, which stated that no address or phone number was available, but Ohio University Press (Swallow Press) had submitted the application. I counted on pure dumb luck and did a search for the name Laupa in Fort Collins; the query returned a number for Thomas Laupa, who said that his mother and her sister were the holders of the copyright, but he wasn't quite sure about the status of the *Manual*. An internet search and some phone calls connected me with Ohio University Press, where I found the copyright had reverted to Dorothy Laupa and Mary Kaiser when Ohio University Press failed to republish in 1978. Dorothy Laupa and Mary Kaiser are the daughters of Lawrence Durrell who, along with Harrington, were professors at Colorado State University and held a joint copyright on the *Manual*. After a few rounds of explaining the goals of the Society and the purpose for obtaining the copyright, they agreed to allow CoNPS to publish and sell the *Manual* without royalties for five years. I had the binding of my venerable copy of the *Manual* cut and the document scanned to produce an Adobe .pdf file that can be read on IBM, Mac, and Unix. The resulting CD sells for \$15 — my original *Manual* cost \$17.95 in about 1972.

Our objectives are to get the *Manual* into a true text document, a true database format, and ultimately a polyclave key, with line drawings and complete descriptions that fit in a device the size of a hand calculator. Big goals — little steps. Actually, with a million dollar budget this could all be accomplished in a year. Contrary to what you may have read in the newspapers, I haven't escaped the loony farm and know that this will be a long tedious process. But considering the work Harrington put into this *Manual*, it will probable take about the same level of effort.

The first step is to get a true text document. Right now the Adobe

.pdf file is a graphic file that has the original image (with a little imperfection), but it is not actual text. For example, you can't do a word search on the document. There is a text document that was derived from the original using Optical Character Recognition software; however, with an accuracy rate of about 95 percent, there are numerous errors on every one of the more than 660 pages. As such, I am seeking volunteers to correct bits of the document. The good news is that it is possible to split the computer screen, making correction fairly convenient. If you are interested, contact me at (303) 444-4358 or phmurphy@aol.com. Just do the sections in which you are interested and I will patch it together.

What is the big deal about a true text document? There are many, but here is my pet for starters. Once the document is true text, the font can be reduced and the text can be wrapped to pages of any size. I want to have a copy of Harrington that is reduced to field manual size. Of course the type will be so small you have to read it with a hand lens, but hey, we can do that! Use your hand lens on the following. How many plants in Colorado have orange flowers, how many are native? Now wasn't that fun?

## BOOK ANNOUNCEMENT

Robert D. Dorn 2001. *Vascular Plants of Wyoming*. Ed. 3. Illustrations by Jane L. Dorn, iv + 412 pages, Mountain West Publishing, Cheyenne, Wyoming.

This work contains a brief introduction, 142 family and 723 generic descriptions, and indented keys to 2509 species or 2800 unique taxa known from Wyoming. All infraspecific taxa recognized are at the varietal level. Dorn (1977) contained 2,144 species, while the first edition of the *Vascular Plants of Wyoming* (1988, v + 340 pp.) included 2369 species, and the second edition (1992, iv + 340 pp.) covered 2398 species, thus an increase of 365 species or 14.5 percent since Dorn (1977). This was, in part, due to recent intensive floristic inventories throughout the state. Since 1975, 26 species, one subspecies, and seven varieties have been described as new to science for Wyoming; two species were the sole basis of new genera (Hartman and Nelson 1998, in part). Dorn was responsible for 12 of these new species, five new varieties, and the novel genus *Yermo*. The appendix of the third edition contains taxonomic notes, references to taxonomic changes, and 47 new nomenclatural combinations. Taxon distributions are given in greater detail.

*Vascular Plants of Wyoming* is being distributed by The Rocky Mountain Herbarium, Department of Botany, University of Wyoming, Laramie, WY 82071-3165. Copies sell for \$20.00, shipping included in USA; Wyoming orders add sales tax for your county (4% — \$.80, 5% — \$1.00, 6% — \$1.20). Make checks payable to the Rocky Mountain Herbarium. For more information, contact Ronald L. Hartman at rhartman@uwyo.edu, (307) 766-2236, FAX (307) 766-2851, or <http://www.rmh.uwyo.edu>.

Dorn, R. D. 1977. *Manual of the Vascular Plants of Wyoming*. 2 vols., 1498 pages. Garland Publ., Inc., New York.

Hartman, R. L. and B. E. Nelson. 1998. Taxonomic Novelties from North America North of Mexico: A 20-Year Vascular Plant Diversity Baseline. *Monogr. Syst. Bot. Missouri Bot. Gard.* 67: 1-59.

## KUDOS TO VELMA AND RICK

### Georgia Doyle, CoNPS Treasurer

Velma Richards and Rick Brune have headed up CoNPS book sales as long as most, if not all, of us can remember. Velma has put in an amazing 11 plus years of service and Rick an equally amazing eight years. More recently, Pat Murphy has been a major contributor, with many other dedicated folks helping with sales at annual meetings and special events.

The first book offered for sale by CoNPS through Velma was *Intermountain Flora*, Volume 3B. The first advertisement for book sales was included in the March-April 1992 issue of *Aquilegia* and included five titles. The book list currently available to CoNPS members has grown to over 100 titles! Additionally, other merchandise has been added during their tenure, including used books, t-shirts, tote bags, the Harrington CD, and most recently, the 25th anniversary poster. Gross sales of merchandise in 2001 exceeded \$26,000. These folks basically have run a small business – and all for the benefit of CoNPS and its members!

The benefits of their efforts come to CoNPS in two primary forms – availability of books at a significant discount and profit generation, which helps fund other CoNPS activities. Most “plant people” are also, by nature, book junkies. Velma and Rick have taken the time to research new titles and choose those most likely to satisfy our cravings (and build our professional expertise). Additionally, these titles are provided to us at a price significantly below retail cost. Despite the reduced retail price to members, a profit is still generated – on average, merchandise sales netted about \$2,000 a year between 1995 and 2001. Profits from merchandise sales have funded general CoNPS causes, including education and outreach efforts, conservation projects, and in recent years have contributed to the John Marr Research Fund.

Velma and Rick have performed this service out of their love for plants and love of books, and we all owe them sincere thanks for donating so much of their time and expertise. We look forward to seeing them in the book buying lines at future meetings, instead of making sales on the other side of the table!

So what's next??? More dedicated CoNPS folks have stepped up to the plate and the baton will be passed at the start of 2002. Ann Armstrong (Boulder Chapter) and Laurel Potts (Plateau Chapter, Board Member) have volunteered to head up the Sales Committee. Pat Murphy (Boulder Chapter) will continue as a major contributor, as will Sue Kamal (Fort Collins Chapter, Board Member). A big “thank-you” to these folks for offering to help the Society in this critical function! The Sales Committee is welcoming interested individuals, so please contact Ann if you would like get in on the ground floor as part of the new team.

## COLORADO NATIVE PLANT SOCIETY

### AWARDS POLICY

In the last newsletter of each calendar year, an announcement soliciting nominations for awards will be posted along with the criteria for eligibility for each award (i.e., the Awards policy). A small reminder will also be posted in the first issue of the calendar year. Nominees for awards or gifts of recognition will be reviewed by the officers and directors of the Society no later than

the following fifteenth of March. Nominations may be made at the chapter or state level. Upon approval by the directors, a maximum of ten Recognition Gifts, three Certificates of Merit, three Certificates of Appreciation, three Special Merit Awards, one Honorary Lifetime Membership, and one Lifetime Achievement Award may be given annually.

**Recognition Gifts** — an annual gift membership and/or merchandise may be given to non-members who provide a one-time service to the Society and/or as an outreach tool. This gift may be combined with a Certificate of Appreciation.

**Certificate of Appreciation** — this certificate is awarded to members and non-members who provide occasional services to the Society; it may be combined with the Recognition Gift.

**Certificate of Merit** — this certificate is given to CoNPS members who have made a significant contribution to the Society in a short period of time (less than five years).

**Special Merit Award** — this plaque is for recognition of non-members' short-term contributions to Colorado botany and/or significant contributions to the Society's goals.

**Honorary Lifetime Membership** — this award is framed original artwork, conferring lifetime membership status to an individual CoNPS member for long-term, high quality service to the Society. This is generally awarded to members with over ten years of service to the Society, and may be combined with the Lifetime Achievement Award.

**Lifetime Achievement Award** — this award is framed original artwork for recognition of members' and non-members' long-term (30 or more years) contributions to Colorado botany. This award may be combined with the Honorary Lifetime Membership.

Nominations for awards are now being solicited and may be submitted to CoNPS President Jill Handwerk c/o Colorado Native Plant Society, P.O. Box 200, Fort Collins, Colorado 80522.

## RESPONSE OF GAMBEL OAK TO FIRE

### James Erdman, Scientist Emeritus, USGS, Denver

In reading *Aquilegia* Volume 25 Number 7, I was puzzled by a statement in the lead article by ecologist Robert Fenwick. Under the section “Fire Suppression,” it was stated that Gambel oak (*Quercus gambelii*) is fire-intolerant, which, in the absence of fire in Cheyenne Mountain State Park, is expanding. From my experience, this species of oak thrives on fire by crown-sprouting, as detailed in my doctoral work, *Pinyon-juniper Succession after Natural Fires on Residual Soils of Mesa Verde, Colorado*, under the direction of Dr. John Marr at the University of Colorado at Boulder. The thesis was published in the *Brigham Young University Science Bulletin* (Biological Series, Vol. XI, No. 2, 1970).

Decades later, this last August, I visited Mesa Verde National Park after recent fires had burned most of the park. The northern uplands of the Mesa Verde, which are underlain by residual soils, have greened-up remarkably, in large measure from the recovery of the aspect-dominant Gambel oak. Recurrent fires throughout previous centuries have permitted a chaparral-like, floristically rich shrub community that includes *Amelanchier utahensis*, *Cercocarpus montanus*, and *Purshia tridentata* to persist as a fire climax in the park.



## 2002 PEAK TO PRAIRIE SYMPOSIUM

### Sustainable Landscape Solutions

#### February 22-23, 2002

In 1999 and 2001, Colorado Springs Utilities partnered with community horticultural and green industry organizations to produce a unique educational event emphasizing sustainable urban landscapes: the Peak to Prairie Landscape Symposium. In 2002's Peak to Prairie symposium, a new group of dynamic regional and local speakers will again address leading edge concepts in water-wise landscape design, maintenance, and plant selection.

This year's symposium will be held at the Colorado Springs Fine Arts Center Theatre located at 20 West Dale Street in Colorado Springs. Friday's program beginning at 8:00 AM on February 22, 2002 will focus on green industry professionals, from the project planner to the landscape maintenance crew. However, home garden enthusiasts will find the program informative and applicable to their own landscape challenges. Workshops will provide continuing education units for ISA Certified Arborists, ALCC Certified Landscape Technicians, Colorado Certified Nursery Professionals, and CSU Master Gardeners. Saturday's program beginning at 8:30 AM on February 23, 2002 is directed more toward the homeowner, although professionals will benefit from these seminars as well.

Reserve Friday, February 22 and Saturday, February 23 on your 2002 calendar now for the next Peak to Prairie! For more information or to receive a detailed program in January, call Linda at (719) 636-8923.

## SAGEBRUSH STEPPE BIODIVERSITY

### Wyoming Plant Conservation Conference

The biannual Wyoming Plant Conservation Conference is being planned for March 19-21, 2002 at the Holiday Inn in Laramie, Wyoming. "Sagebrush Steppe Biodiversity" sessions will be featured, in addition to open botany sessions, presentations on the flora and ecology of southeastern Wyoming, and the Species Status Review Workshop on rare plant species of Wyoming.

New conference features are being considered, including: published proceedings, co-sponsorship by agency and academic partners, and a token registration fee. Organizers include members of the Wyoming Rare Plant Technical Committee and Wyoming Native Plant Society (WNPS). The next WNPS newsletter will have information about the conference, including registration details. This will also be available on the WNPS homepage at [http://uwadmnweb.uwyo.edu/wyndd/wnps/wnps\\_home.htm](http://uwadmnweb.uwyo.edu/wyndd/wnps/wnps_home.htm). If you have questions or suggestions, please contact Jennifer Whipple via e-mail at [Jennifer\\_Whipple@nps.gov](mailto:Jennifer_Whipple@nps.gov) or Bonnie Heidel at [bheidel@uwyo.edu](mailto:bheidel@uwyo.edu).

The previous Wyoming Rare Plant meeting was held at Riverton in 1999. This odd-year phenomenon is now an even-year conference, bringing together Wyoming botanists, ecologists, natural resource managers, educators, students, and all with interests in plant conservation.



## SEDGES 2002: USES, DIVERSITY, AND SYSTEMATICS OF CYPERACEAE

A three-day conference on the uses, diversity, and systematics of the sedge family (Cyperaceae) is planned for June 6-8, 2002 at Delaware State University. The sedges are a large, ecologically and economically important family found in many habitats and climates throughout the world. This conference is hosted by the Claude E. Phillips Herbarium of DSU and sponsored by the Natural Resources Conservation Service of the United States Department of Agriculture. The first day is devoted to programs by researchers on an array of subjects including systematics, weed ecology, horticulture, conservation, wetland restoration, and ethnobotany. On the second day, local field trips will enable conference participants to see a variety of sedges, mostly members of the large and taxonomically complex genus *Carex*. Identification workshops, again primarily for *Carex*, will be held on the third day. To be placed on the mailing list for future notices and registration, please send your name, address, and telephone number via e-mail to Robert Naczi at [rnaczi@dsc.edu](mailto:rnaczi@dsc.edu).

## CLASSES AT ROCKY MOUNTAIN BIOLOGICAL LABORATORY

**Plant-Animal Interactions**, June 13 - July 13, 2002. **Dr. Kristina Jones** (Harvard University) and **Jennifer Reithel** (University of California, Irvine). In this class we will design, execute, and analyze field experiments involving interactions between plants and animals, including pollination, herbivory, a seed dispersal. Each week will have a different theme, and will include reading and discussing primary literature to get ideas, then coming up with our own experiments. The final paper for the course will be in the form of a grant proposal by each student on a topic of their choice. Prerequisite: one year of college biology.

**Field Botany**, July 14 - August 10, 2002. **Dr. George Weiblen** (University of Minnesota). The Rocky Mountains are a natural laboratory in which to studying flowering plant diversity across a range of environments. Field Botany focuses on identifying local flora, surveying plant communities, recognizing plant families, and learning field techniques for plant ecology and systematics. No prerequisites.

For more information, visit our website at [www.rmbl.org](http://www.rmbl.org) or contact Ian Billick at [director@rmbl.org](mailto:director@rmbl.org) or (970) 349-7231.

## WINTER ECOLOGY FIELD CLASS

Explore the magic of winter in the Rocky Mountains with ecologist Joyce Gellhorn in this Boulder County Nature Association field class. Class activities will focus on dynamics of winter weather, structure of the snowpack, and adaptations of plants and animals to winter conditions. Includes an all-day skiing/snowshoeing trip to Niwot Ridge. Limited to 16 participants.

Thursday, March 7, 6:30 PM - 8:30 PM, indoor class

Saturday, March 9, 8:30 AM - 2:30 PM, skiing or snowshoeing

Tuition: \$40 (\$35 for BCNA members)

To register contact Joyce at (303) 442-8123 or [jgellhorn@sprynet.com](mailto:jgellhorn@sprynet.com).

# COLORADO NATIVE PLANT SOCIETY DISCOUNTED PUBLICATIONS

The following items are provided at a discount as a service to our members.

They are also available at many of our meetings and workshops (Save postage!)

BOOK TITLE OR ITEM	AUTHOR	COST	SHIP	NO.	Book Total	Shipping Total
Alpine Flower Finder	Wingate, J. et al	\$4.50	\$2.00			
Alpine Wildflowers (Northern Rocky Mts.)	Strickler, D.	\$7.50	\$2.00			
American Cockerell	Weber, W.A.	\$24.00	\$2.75			
Atlas of the Grasses of Colorado	Rubright, L.	\$15.25	\$2.00			
Botanical Latin	Stearn, W.T.	\$38.00	\$2.75			
Botany for Gardeners	Capon, B.	\$15.00	\$2.00			
Catalog of the Colorado Flora: A Biodiversity...	Weber, W. et al.	\$40.00	\$3.25			
Checklist of Vascular Plants of Boulder County	Weber, W.A.	\$4.00	\$2.00			
Colorado: 1870-2000	Fielder, J.	\$71.00	\$5.00			
Colorado Flora: East Slope <b>New 2001 Edition</b>	Weber and Wittm.	\$22.00	\$2.50			
Colorado Flora: West Slope <b>New 2001 Edition</b>	Weber and Wittm.	\$22.00	\$2.50			
Colorado's Best Wildflower Hikes V1 Frnt Range	Irwin,	\$15.00	\$2.75			
Colorado's Best Wildflower Hikes V2 High Cntry	Irwin,	\$17.25	\$2.75			
Colorado's Canyon Country	Pearson/Fielder	\$15.00	\$2.00			
Colorado's Wetland Ecosystems	CONPS	\$0.40	\$0.75			
Common Flora of the Playa Lakes	Haukos, D. et al.	\$16.00	\$2.00			
Common Rocky Mountain Lichens	St. Clair	\$17.50	\$2.50			
Desert Smells Like Rain, The	Nabhan, G.	\$10.00	\$2.00			
Desert Wildflowers of North America	Taylor, R.J.	\$19.00	\$2.00			
Dictionary of Word Roots	Borror, D.J.	\$9.00	\$2.00			
Edible Wild Plants of the Prairie	Kindscher, K.	\$12.00	\$2.00			
Encyclopedia of Ornamental Grasses	Greenlee, J.	\$24.25	\$2.75			
Field Guide to Canyon Country Wildflowers	Fagan, D.	\$12.00	\$2.00			
Field Guide to Mammal Tracking	Halfpenny, J	\$12.00	\$2.00			
Flora and Vegetation of Needle Mountains	Michener-Foote	\$4.00	\$2.00			
Flora of North America V. 1	FLNA Ed.	\$77.00	\$3.25			
Flora of North America V. 2	FLNA Ed.	\$77.00	\$4.00			
Flora of North America V. 3	FLNA Ed.	\$77.00	\$4.00			
Flora of North America V.22	FLNA Ed.	\$77.00	\$4.00			
Flora of the Great Plains	Grt Plns Flra Ass.	\$44.00	\$3.75			
Flora of the San Juans	Komarek, S.	\$15.00	\$2.00			
Floristic Survey of Boulder Mountain Park	Hogan, T.	\$4.00	\$2.00			
Floristic Survey of Eagles Nest Wilderness Area	Hogan, T.	\$4.00	\$2.00			
Floristic Survey: Black Forest	Maley, A.	\$3.00	\$2.00			
Floristic Survey: Mesa de Maya Region	Clark, D.A.	\$4.00	\$2.00			
Flowering Plants of the World	Heywood, V.H.	\$53.00	\$4.00			
Forest Wildflowers (Northern Rocky Mts.)	Strickler, D.	\$7.50	\$2.00			
Forgotten Pollinators	Nabhan, G.	\$14.00	\$2.00			
Gardener's Guide to Plant Conservation, The	Marshall, N.T.	\$4.00	\$2.00			
Gathering the Desert	Nabhan, G.	\$15.50	\$2.00			
Grass Varieties in the USA	Lewis & Sharp	\$43.00	\$3.75			
Guide to Colorado Wildflowers, V1, Plains	Guennell, G.K.	\$18.75	\$2.75			
Guide to Colorado Wildflowers, V2, Mountains	Guennell, G.K.	\$18.75	\$2.75			
Handbook of Rocky Mountain Plants	Nelson, R. (rev)	\$16.00	\$2.75			
Historical Ecology Handbook	Egan & Howell	\$24.00	\$2.75			
How to ID Grasses & Grasslike Plants	Harrington, H.D.	\$10.00	\$2.00			
How to Identify Plants	Harrington et al	\$10.00	\$2.00			
Illustr. Keys to Early Spring Wildflowers: Frnt Rnge	Wingate, J.L.	\$1.50	\$1.25			
Illustrated Keys to the Grasses of Colorado	Wingate, J.L.	\$7.50	\$2.00			
Intermountain Flora - Volume 1	Cronquist et al.	\$29.00	\$3.25			
Intermountain Flora - Volume 3A	Cronquist et al.	\$66.00	\$3.75			



Intermountain Flora - Volume 3B	Barneby, R. C.	\$53.00	\$3.75			
Intermountain Flora - Volume 4	Cronquist et al.	\$66.00	\$3.75			
Intermountain Flora - Volume 5	Cronquist, A.	\$66.00	\$4.00			
Intermountain Flora - Volume 6	Cronquist et al.	\$66.00	\$4.00			
Last Prairie, The: A Sandhills Journal	Jones, S.	\$18.00	\$2.50			
Manual of the Plants of Colorado (Now on CD)	Harrington, H.D.	\$15.00	\$2.50			
Medicinal Wild Plants of the Prairie	Kindscher, K.	\$12.00	\$2.75			
Mushrooms of Colorado	Evenson, V.S.	\$18.75	\$2.75			
Native and Naturalized Leguminosae of U.S.	Iseley, D.	\$56.00	\$4.00			
Penstemons	Nold, B.	\$25.00	\$2.50			
Plant Book, The	Maberly	\$45.00	\$2.75			
Plant Identification Terminology	Harris, J. et al	\$16.00	\$2.75			
Plants of Florissant Fossil Beds Nat'l Mon.	Edwards et al	\$2.50	\$2.00			
Plants of Rocky Mountain National Park	Beidleman	\$19.00	\$2.50			
Plants of the Rocky Mountains	Kershaw et al.	\$16.50	\$2.75			
Poster: CONPS 2001 Anniversary Poster	CONPS	\$15.00	\$6.00			
Prairie Conservation	Sampson&Knopf	\$22.50	\$2.50			
Prairie Garden, A Step-by-Step Guide..shortgrass	Brune, R.	\$4.50	\$1.25			
Prairie Wildflowers (Northern Rocky Mts.)	Strickler, D.	\$7.50	\$2.00			
Rare Plants of Colorado II	CONPS	\$14.00	\$2.75			
Roadside Wildflowers of Southern Great Plains	Freeman	\$15.00	\$2.00			
Rocky Mountain Berry Book	Krumm, B.	\$6.50	\$2.00			
Rocky Mountain Flower Finder	Wingate, J.L.	\$4.00	\$2.00			
Sagebrush Country: A Wildflower Sanctuary	Taylor, R. J.	\$11.00	\$2.00			
Simplified Guide to Common Colorado Grasses, A	Wingate, J.L.	\$3.25	\$1.25			
Southern Rocky Mountain Wildflowers	Robertson, L.	\$12.50	\$2.00			
Southwestern Landscaping with Native Plants	Phillips, J.	\$20.25	\$2.75			
Systematics and Evolution of Oenothera cespitosa	Wagner, W. et al	\$10.00	\$2.00			
Tallgrass Restoration Handbook	Packard & Mutel	\$20.00	\$2.75			
Tote Bags	CONPS	\$16.00	\$2.75			
T-shirts long sleeve \$16.00	CONPS	\$16.00	\$2.00			
T-shirts short sleeve \$13.00 or 2 for \$25.00	CONPS	\$13.00	\$2.00			
T-shirts, Terry	CONPS	\$20.00	\$2.75			
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Waterwise Landscaping with Trees, Shrubs, & Vine	Knopf, J.	\$21.00	\$2.75			
Weeds of the West	Whitson, T., Ed.	\$21.00	\$3.75			
Wild about Wildflowers	Warren, K.D.	\$16.00	\$2.00			
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Wildflowers of the Plateau & Canyon Country	Ulrich, L. et al	\$15.00	\$2.75			
Xeriscape Flower Gardener	Knopf, J.	\$15.50	\$2.75			

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# CHAPTER NEWS

## Boulder Chapter

The Boulder Chapter invites you to join us for a guest speaker, refreshments, book sales, and socializing, on the second Thursday of the month through April at 7:00 PM. We now meet at the City of Boulder Open Space and Mountain Parks offices, 66 South Cherryvale Road. From South Boulder Road, go south on Cherryvale one-tenth of a mile and turn west onto a lane that leads back to the offices. We'll meet in the north building conference room. For more information, contact Chapter President Kathy Damas at (303) 543-1492.

**February 14, 2002 Thursday at 7:00 PM**  
**Rocky Flats Environmental Technology Site: Flora, ecology, and management**  
 Rocky Flats is a U.S. Dept. of Energy facility that formerly produced nuclear weapons components during the Cold War. Now in the process of being decommissioned and torn down, what most people are unaware of is the incredible biodiversity that has been protected at the Site over the past half century. **Jody Nelson** (Botanist/Plant Ecologist for Exponent, Rocky Flats Environmental Technology Site) will discuss the flora, ecology, and challenges of resource management at Rocky Flats.

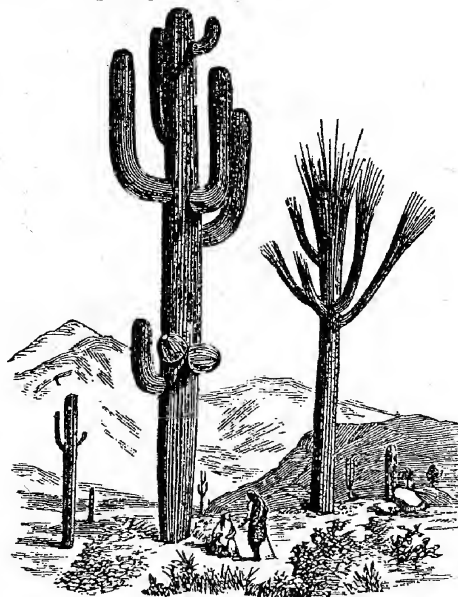
**March 14, 2002 Thursday at 7:00 PM**  
**Growing Natives in the Landscape**  
**Mikl Brawner** has been growing native shrubs and perennials for 15 years in his own Boulder landscape and specializes in natives at his plant nursery Harlequin's Gardens. Mikl's talk will focus on discussion about the plants themselves and a few tips for successfully growing them in the home landscape.

**April 11, 2002 Thursday at 7:00 PM**  
**Gardening and More to invite Wildlife into your Backyard**

Join us for a slideshow by the National Wildlife Federation on techniques for inviting wildlife into your backyard. **Ali Steimke**, NWF Field Education Coordinator, will focus on the National Wildlife Federation's Backyard Wildlife Habitat program and how you can create

wildlife friendly backyards. Ali will discuss ways to successfully incorporate the four basic wildlife needs — food, water, cover, and a place to raise young — into your landscape.

**May 9, 2002 Thursday at 5:30 PM**  
**Annual Picnic and Hike**  
 Location and destination to be announced - watch *Aquilegia* for details.



## Fort Collins Chapter

Meetings are held at 7:00 PM in the Main Conference Room of the National Seed Storage Laboratory (NSSL) at CSU. The NSSL is located just west of the railroad tracks, about one block north of Pitkin Street (enter on west side of building). Members are invited to join the speaker for dinner at Coopersmiths in Old Town, Fort Collins at 5:30 PM prior to the meeting. For more information, contact Chapter President Annette Miller at (970) 495-3240.

**February 5, 2002 Tuesday at 7:00 PM**  
**A Photographic Journey of Big Bend through Time and Space**  
 Join local botanists/photographers **Bill Jennings** and **Carolyn Crawford** on a photographic tour of Big Bend National Park, Texas. Over the last 20 years Bill and Carolyn have visited the park around the seasons, from the Rio Grande to the top of the Chisos Mountains at 7500 feet. This promises to be a floristic feast for the eyes!

**March 5, 2002 Tuesday at 7:00 PM**  
**The Gardens at Spring Creek**  
**Jim Clark** will present information about the Gardens at Spring Creek, previously referred to as the Community Horticulture Center. A brief history of the project, a description of the mission and intended programming, visual graphics of the master plan and building design, and some information on the schedule and financing will be explained ([fcgov.com/horticulture](http://fcgov.com/horticulture)).

**April 5, 2002 Tuesday at 7:00 PM**  
**Restoration Efforts at Rocky Mountain National Park**  
**Jeff Connors** (Resource Specialist, Rocky Mountain National Park) will discuss restoration efforts that have been undertaken at Rocky Mountain National Park using both native and local genotypes. Jeff will also talk about natural versus manipulative restoration.

## Metro-Denver Chapter

Monthly meetings are held at 7:00 PM from September through April at the Denver Botanic Garden on York. For exact DBG location and more information, please contact Chapter President Denise Larson at (303) 733-4338 or Leo P. Bruederle at [lbruederle@earthlink.net](mailto:lbruederle@earthlink.net). Prior to the meeting at 5:30 PM, members are invited to join the speaker for pizza at Angelo's located at 620 East 6th Avenue (between Pearl and Washington) in Denver.

**January 29, 2002 Tuesday at 7:00 PM**  
**Flora of the Sonoran Desert**  
 The Sonoran Desert is one of our most diverse ecosystems. Of the four major North American desert systems, the Sonoran rarely experiences freezing temperatures. As such, many plants of more southern latitudes make their northernmost appearance there. **James Riser** (University of Colorado at Denver) will present a slideshow depicting several of the six subdivisions of the Sonoran, and will discuss adaptations to aridity and periodic rainfall. Comparisons with other North American deserts will also be made. This talk should provide a colorful respite from winter, and may even tempt you to visit warmer climes in spring. **NEW LOCATION:** Meet in Gates Hall in the main building at DBG, behind the fountain.

**February 26, 2002 Tuesday at 7:00 PM**  
**A Photographic Journey of Big Bend through Time and Space**

Join local botanists/photographers **Bill Jennings** and **Carolyn Crawford** on a photographic tour of Big Bend National Park, Texas. Over the last 20 years, Bill and Carolyn have visited the park around the seasons, from the Rio Grande to the top of the Chisos Mountains at 7500 feet. This promises to be a floristic feast for the eyes!

**March 26, 2002 Tuesday at 7:00 PM**  
**Penland Alpine Fen Mustard: To be or not to be**

Penland alpine fen mustard (*Eutrema penlandii*) is a globally rare species restricted to Colorado's Mosquito Range. Its closest relative is the circumboreal *E. edwardsii*. In 1987, W.A. Weber subsumed *E. penlandii* into its North American congener, publishing the name *E. edwardsii* ssp. *penlandii*. Since then, there has been considerable interest and debate among taxonomists and conservation biologists regarding the systematic relationship between the two taxa. Marr Fund recipient **Kim Fayette Regier** (Biology, University of Colorado at Denver) will present the results of her research — including some surprises — that reveal the two to be distinct.

**April 30, 2002 Tuesday at 7:00 PM**  
**Floristic Survey of the Upper Arkansas Valley and Lower Gore Range**

Intense floristic inventories have been the focal point of the Rocky Mountain Herbarium (RMH) at the University of Wyoming since the 1970's. Marr Fund recipient **Emily Holt** (Botany, University of Wyoming) will discuss her Master's research, which comprised a floristic survey of the Sawatch Range (including the Collegiate Peaks and the highest Peak in Colorado, Mount Elbert), the eastern Mosquito Range, the southern Gore Range, and a portion of the Eagle Valley between Vail and Dotsero. The total area covers approximately 3,000 square miles and includes seventeen of Colorado's 54 peaks over 14,000 feet. Her research uncovered new and previously documented populations of over 30 of Colorado's rare plants!

## Plateau Chapter

Chapter activities are scheduled throughout the year. For more information, contact Chapter President Jeanne Wenger at (970)

256-9227 and [Bluecrow2u@aol.com](mailto:Bluecrow2u@aol.com) or Program Chair Lori Brummer at (970) 641-3561 and [lbrummer@gunnison.com](mailto:lbrummer@gunnison.com).

**February 2, 2002 Saturday at 10:00 AM**  
**Basic Plant Families of the Western Slope**  
 Back by popular demand. **Robin Bingham** will present this workshop for a second time in the new Western State College Botany Lab in Gunnison. The workshop will last until about 3:00 PM and will cost \$15. To register, contact Gay Austin at (970) 641-6264.

**February 7, 2002 Thursday at 12:30 PM and 7:00 PM**

**When the Grass Stood Stirrup High: A Century of Landscape Change in the North Fork and Uncompahgre Valleys**  
 This presentation by **Dave Bradford** (Range Management Specialist) will be delivered at Western State College. For more information, please contact Gay Austin at (970) 642-4406 (w) or (970) 641-6264 (h).

**February 23 and 24, 2002**  
**Landscapes West**

Life in the Garden will be the topic for the upcoming Landscapes West gathering. This year's featured speaker is **Panayoti**, who will speak on "Searching the World for New Garden Plants" at the Holiday Inn in Grand Junction. For more information and prices, please contact (970) 244-1834 or email [Nharvey@co.mesa.co.us](mailto:Nharvey@co.mesa.co.us) (CSU extension office in Grand Junction).

**March 23, 2002 Saturday at 10:00 AM**  
**Devil's Canyon Field Trip**

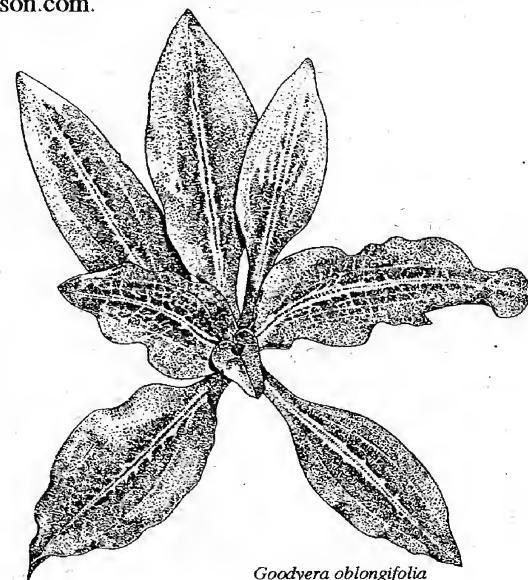
**Cindy Carlson** will led us on this trip in Colorado National Monument to look for lichens. Bring water, lunch and hand lens. This trip will not involve much walking. We will carpool to trailhead on a good gravel road. Meet at the Acorn station at the intersection of I-70 and Hwy 6 and 50. Please contact Cindy at (970) 245-6465 to confirm trip details.

**April 6, 2002 Saturday at 9:30 AM**  
**Grass Identification Workshop.**

This Grand Junction workshop, which will be held from 9:30 AM to 2:30 PM, will provide an opportunity to get to know common local native and non-native grasses. There will be a fee of \$15; other details are forth coming. To register, please contact Gay Austin at (970) 641-6264.

Watch local media for announcements of

other activities. For more information contact Jeanne Wenger at (970) 256-9227 and [Bluecrow2u@aol.com](mailto:Bluecrow2u@aol.com) or Lori Brummer at (970) 641-3561 and [lbrummer@gunnison.com](mailto:lbrummer@gunnison.com).



*Goodyera oblongifolia*  
 Artist: Carolyn Crawford

## Southeast Chapter

Activities for the newly formed Southeast Chapter are scheduled throughout the year. For more information about the Chapter, as well as news and activities, please contact Chapter President Dan Fosha at (719) 572-6972 or [danfosha@aol.com](mailto:danfosha@aol.com).

**February 5, 2002 Tuesday at 7:00 PM**  
**Critical Biological Resources of El Paso County, Colorado**

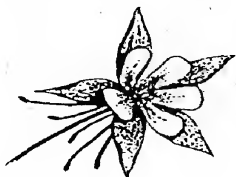
**Georgia Doyle** (Ecologist, Colorado Natural Heritage Program) and **Dave Anderson** (Botanist, CNHP) will talk about the recently published Survey of Critical Biological Resources of El Paso County, Colorado, a biological inventory conducted by the Colorado Natural Heritage Program in 2001. This meeting will take place at the Beidleman Nature Center located at 740 W. Caramillo St. in Colorado Springs. For more information, please contact Chapter President Dan Fosha at (719) 572-6972 or [danfosha@aol.com](mailto:danfosha@aol.com).

## Southwest Chapter

For more information about the Southwest Chapter, as well as news and activities please contact Chapter President Sandy Friedley at (970) 884-9245 or by e-mail at [friedley@frontier.net](mailto:friedley@frontier.net).



## Colorado Native Plant Society



The Colorado Native Plant Society is a non-profit organization dedicated to the appreciation and conservation of the Colorado native flora. Membership is open to all with an interest in our native plants, and is composed of plant enthusiasts both professional and non-professional.

Please join us in helping to encourage interest in enjoying and protecting Colorado's native plants. The Society sponsors field trips, workshops, and other activities through local chapters and statewide. Contact the Society, a chapter representative, or committee chair for more information.

### Schedule of Membership Fees

Life .....	\$250
Supporting .....	\$50
Organization or Corporate .....	\$30
Family or Dual .....	\$20
Individual .....	\$15
Student or Senior .....	\$8

### Membership Renewal/Information

Please direct all membership applications, renewals, and address changes to the Eric Lane (Chair of Membership), Colorado Native Plant Society, P.O. Box 200, Fort Collins, CO 80522. Please direct all other inquiries regarding the Society to the Secretary at the same address.

# Aquilegia

*Aquilegia* is published four or more times per year by the Colorado Native Plant Society. This newsletter is available to members of the Society and to others with an interest in native plants. Articles for *Aquilegia* may be used by other native plant societies or non-profit groups, if fully cited to author and attributed to *Aquilegia*.

Articles not exceeding 2000 words in length and shorter items fewer than 500 words in length, such as unusual information about a plant, are especially welcome. Previously published articles submitted for reprinting require permission. Camera-ready line art or other illustrations are also solicited. Please include author's name and address, although anonymity may be requested. Articles submitted via e-mail or on disks (MAC preferably, or IBM) are appreciated. Please indicate word processing software and version; if possible, submit as an RTF (rich text format) file.

Please direct all contributions to the newsletter to:

Leo P. Bruederle  
Biology, Campus Box 171  
University of Colorado at Denver  
P.O. Box 173364  
Denver, CO 80217-3364  
E-Mail: lbruederle@earthlink.net

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Outreach .....	and Alice Guthrie ..	303-651-3127
Field Studies ..	Neil Snow .....	970-330-4823
Field Trips .....	Gwen Kittel .....	303-258-0908
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.....	and Georgia Doyle ..	970-491-6477
Horticulture and ..	Kathy Damas .....	303-543-1492
Restoration ..	and Lisa Tasker ..	970-544-3633
Membership ..	Eric Lane .....	303-239-4182
Newsletter .....	Leo P. Bruederle ..	303-556-3419
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.....	Sue Kamal .....	970-353-9240
.....	and Laurel Potts ..	970-625-4769
Rare Plant .....	Eleanor .....	
Monograph ..	Von Barga .....	303-756-1400
Research Grants ..	Neil Snow .....	970-330-4823
Website .....	Bob Clarke .....	970-242-6067
Workshop: East ..	Bill Jennings .....	303-666-8348
West .....	Gay Austin .....	970-641-6264

## MEMBERSHIP APPLICATION AND RENEWAL FORM

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

(Address) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( ) \_\_\_\_\_ E-mail \_\_\_\_\_

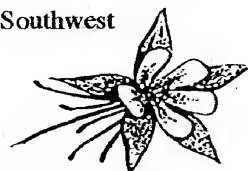
Chapter: ☐ Boulder ☐ Fort Collins ☐ Metro Denver ☐ Plateau ☐ Southeast ☐ Southwest

### MEMBERSHIP CLASS:

Dues cover one calendar year.

- ☐ Individual, \$15.00
- ☐ Family/dual, \$20.00
- ☐ Senior, \$8.00
- ☐ Student, \$8.00
- ☐ Corporate, \$30.00
- ☐ Supporting, \$50.00
- ☐ Lifetime, \$250.00

In addition to my membership, I have included \$\_\_\_\_\_ as a contribution to the John Marr Fund (endowment in support of small grants-in-aid of research), \$\_\_\_\_\_ as a contribution to the Myrna P. Steinkamp Memorial Fund (endowment in support of small grants-in-aid of research), or \$\_\_\_\_\_ as a general contribution to the Society.



CoNPS IS A NON-PROFIT ORGANIZATION — DUES AND CONTRIBUTIONS ARE TAX-DEDUCTIBLE

# CALENDAR

## CHAPTER EVENTS

**Boulder Chapter**  
 February 14 Rocky Flats Environmental Technology Site  
 March 14 Growing Natives in the Landscape  
 April 11 Gardening and More to invite Wildlife into your Backyard  
 May 9 Annual Picnic and Hike

**Fort Collins Chapter**  
 February 5 A Photographic Journey of Big Bend  
 March 5 The Gardens at Spring Creek  
 April 5 Restoration Efforts at Rocky Mountain National Park

**Metro Denver Chapter**  
 January 29 Flora of the Sonoran Desert  
 February 26 A Photographic Journey of Big Bend  
 March 26 Penland Alpine Fen Mustard: To be or not to be  
 April 30 Floristic Survey of the Upper Arkansas Valley and Lower Gore Range

## Plateau Chapter

February 2 Basic Plant Families of the Western Slope  
 February 7 When the Grass Stood Stirrup High  
 February 23-24 Landscapes West  
 March 23 Devil's Canyon Field Trip  
 April 6 Grass Identification Workshop

## Southeast Chapter

February 5 Critical Biological Resources of El Paso County, Colorado

## SOCIETY EVENTS

### Board Meeting

February 23 Longmont, CO  
 April 13 Longmont, CO

## WORKSHOPS

February 9, 10 Ecology and Identification of Willows  
 February 23, 24 *Senecio*, Focus of the Plains  
 March 16, 17 Vegetative Characters of Identification



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